FIG. 1

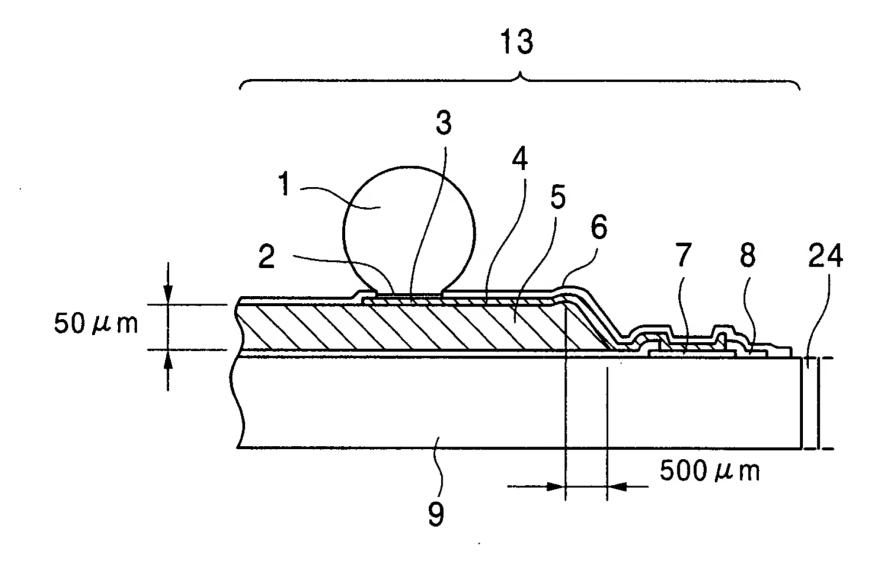


FIG. 2

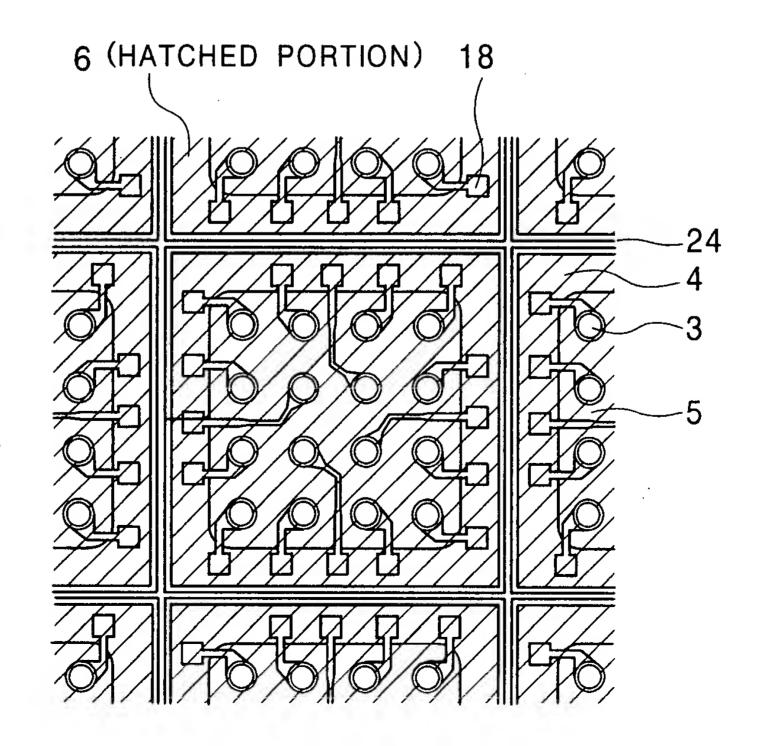


FIG. 3

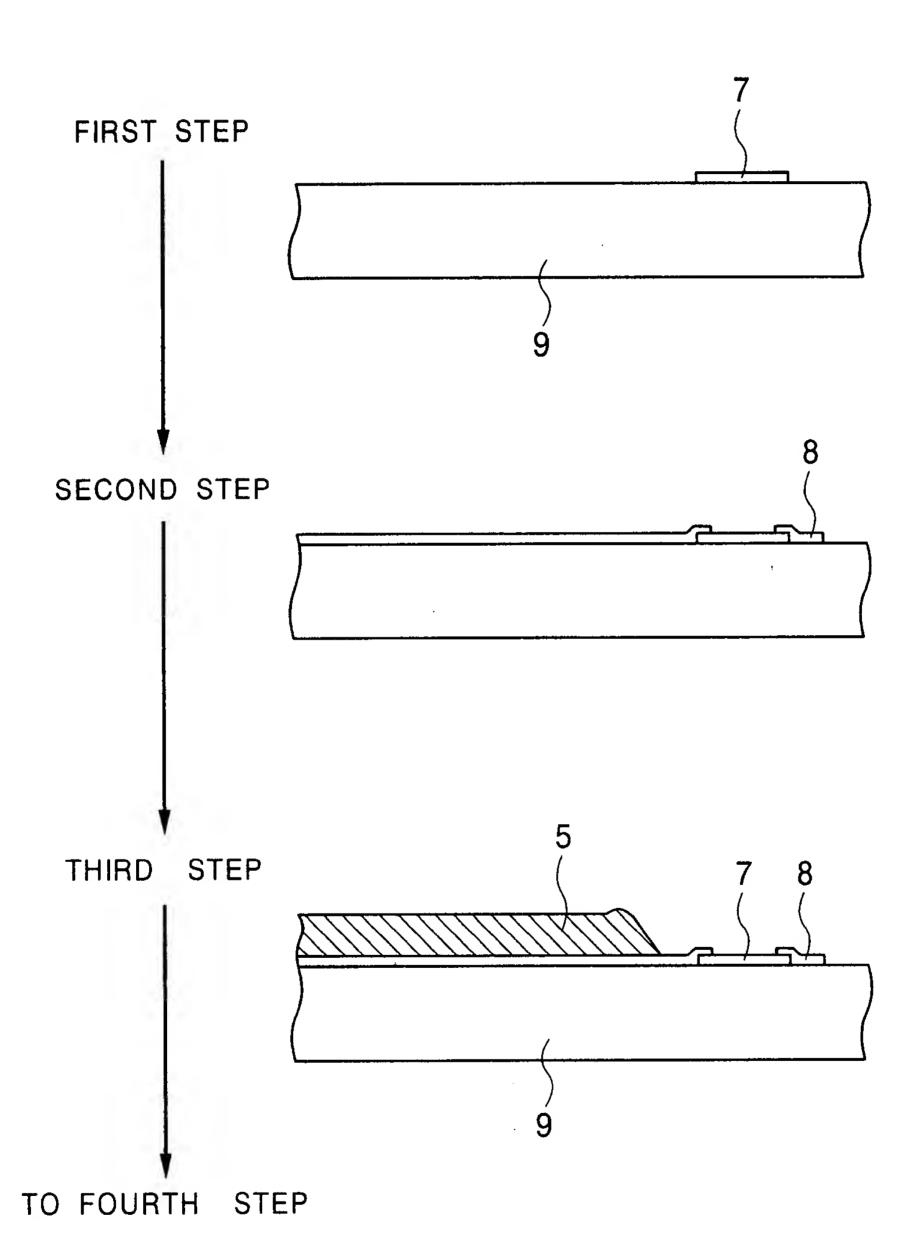


FIG. 4

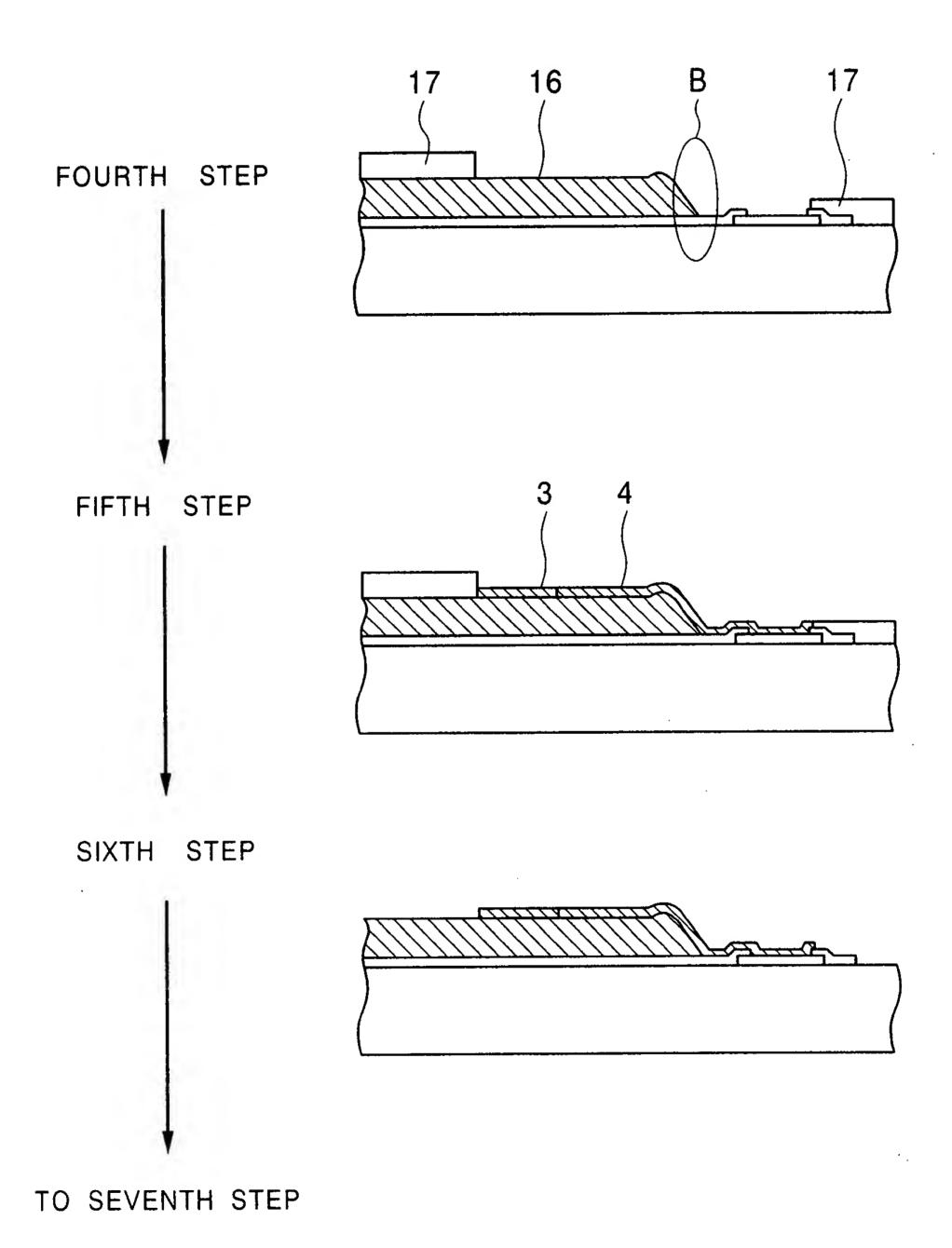


FIG. 5

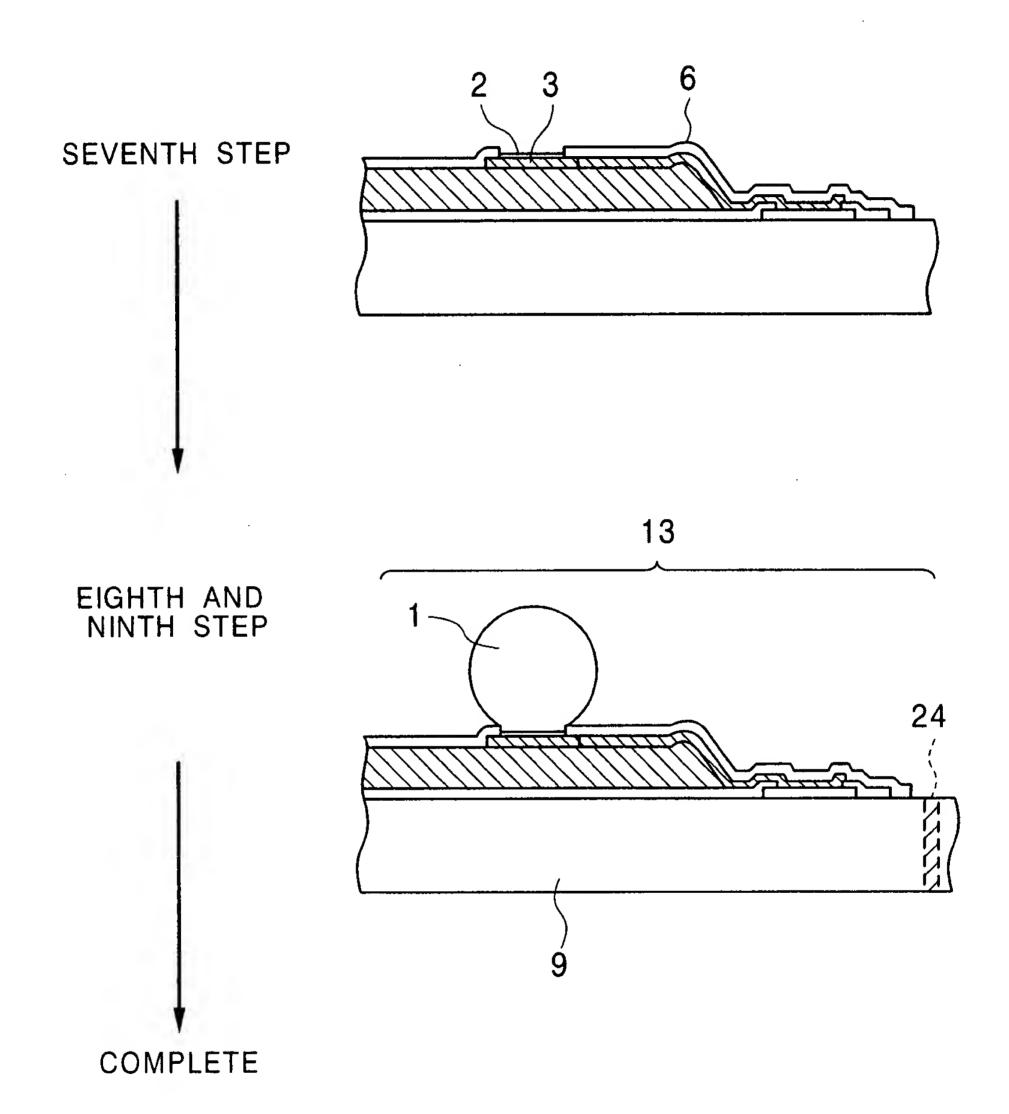


FIG. 6

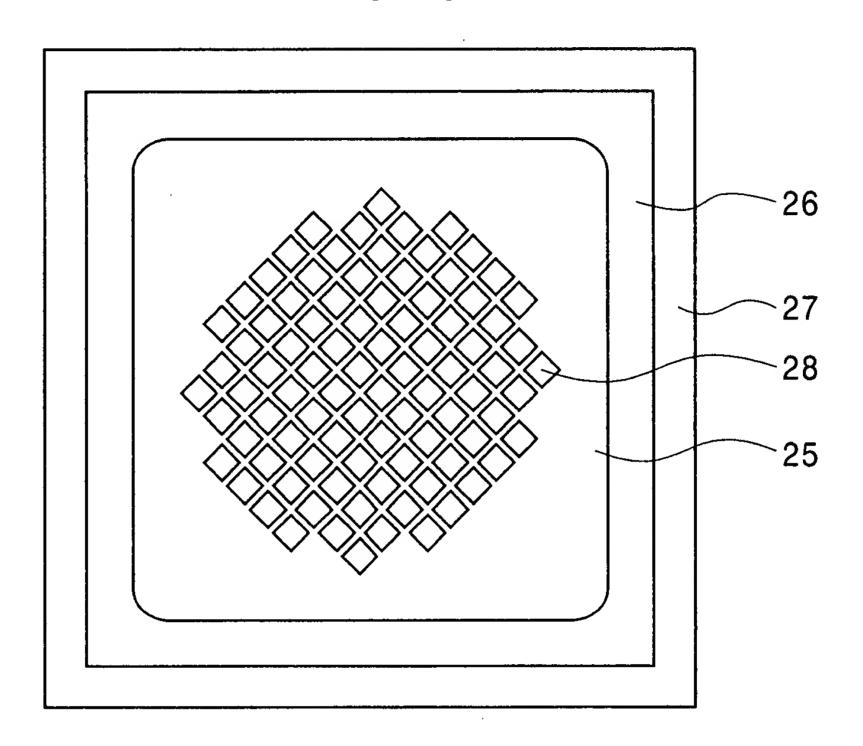


FIG. 7

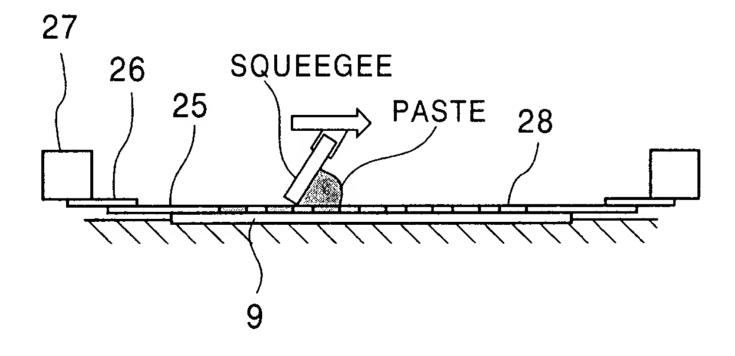


FIG. 8

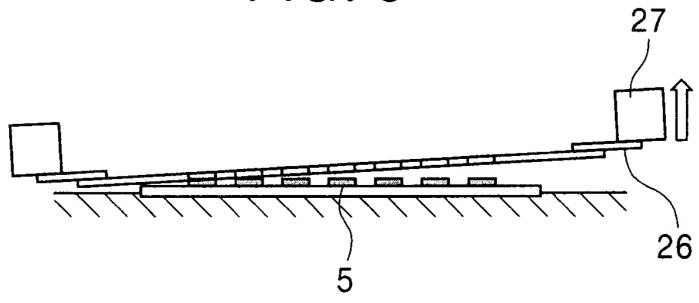


FIG. 9

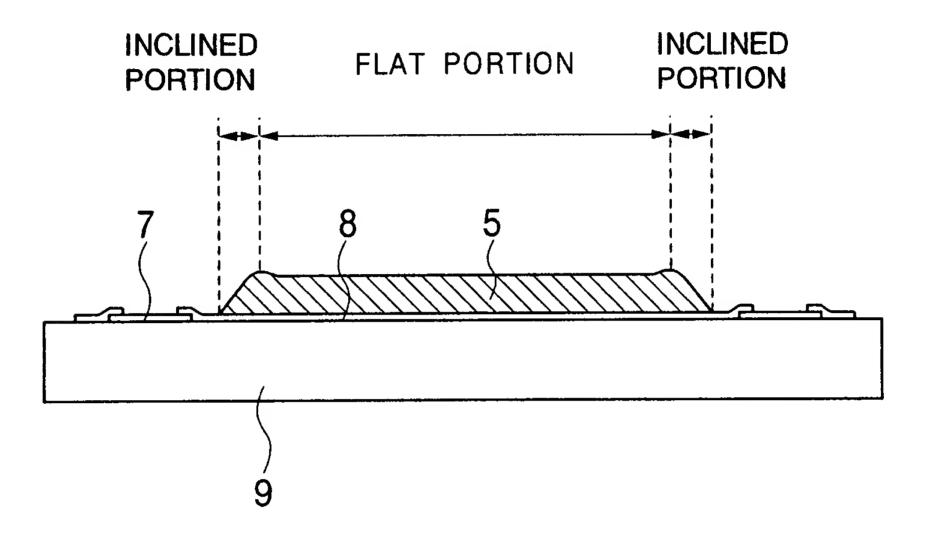


FIG. 10

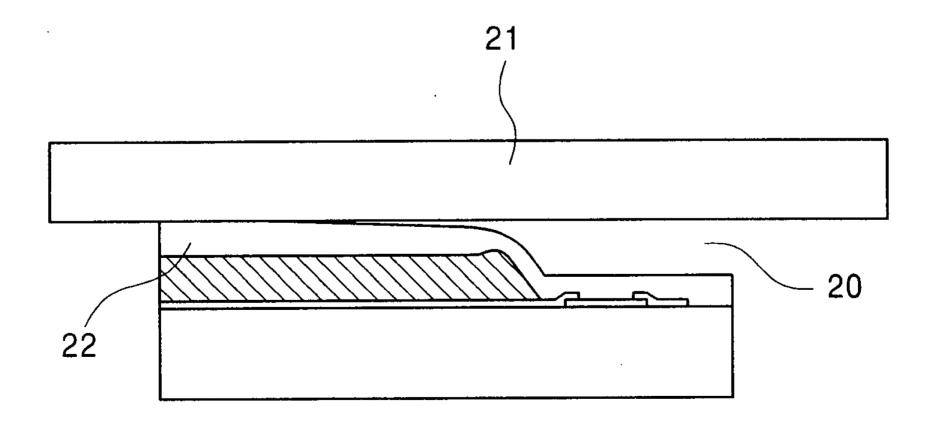


FIG. 11

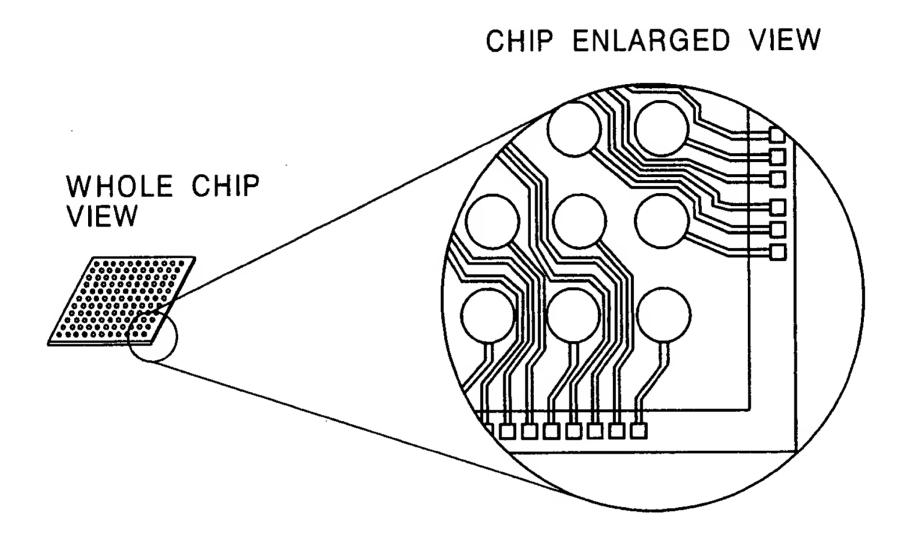


FIG. 12

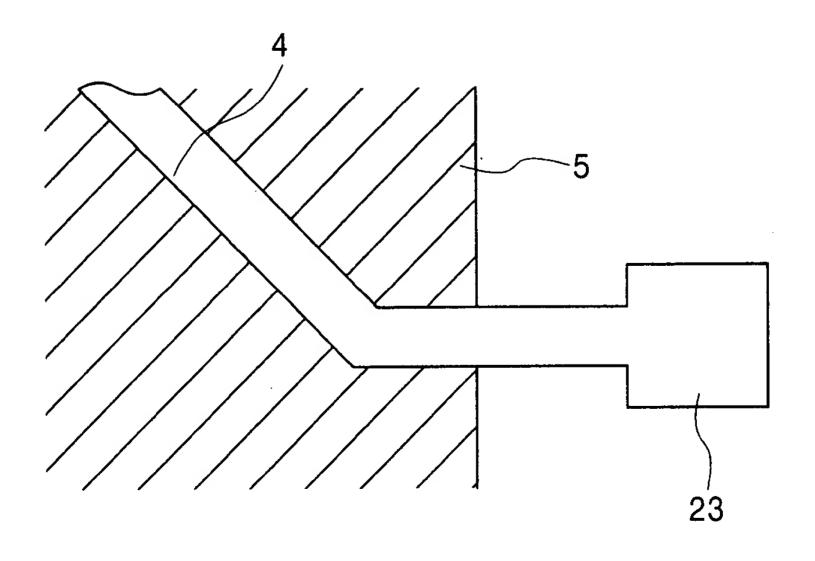


FIG. 13

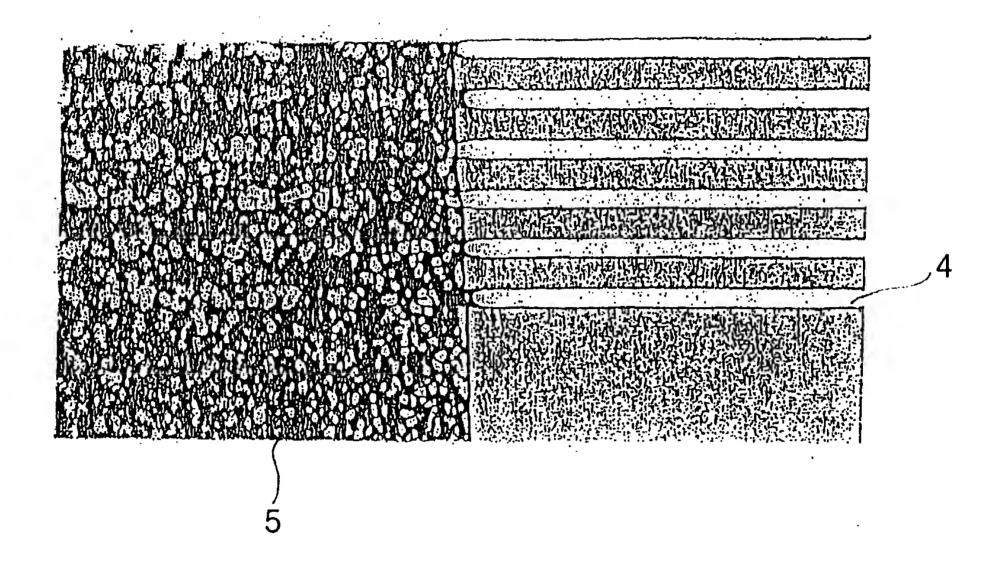
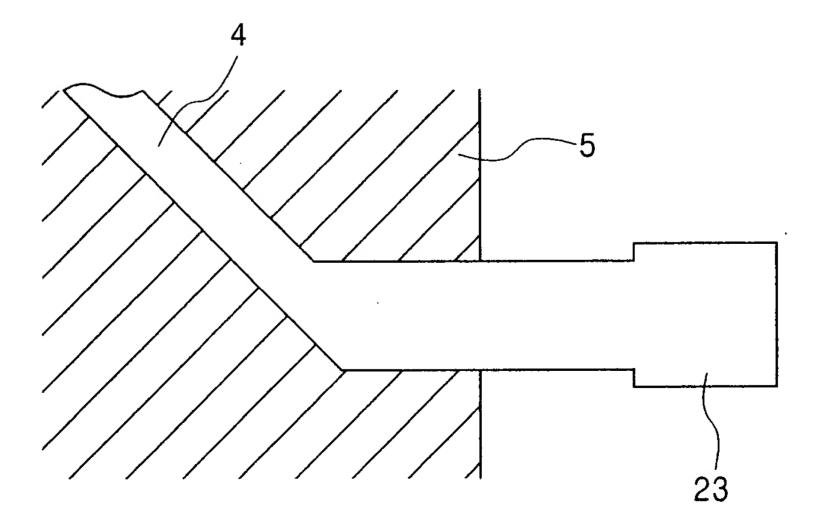


FIG. 14



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FIG. 15

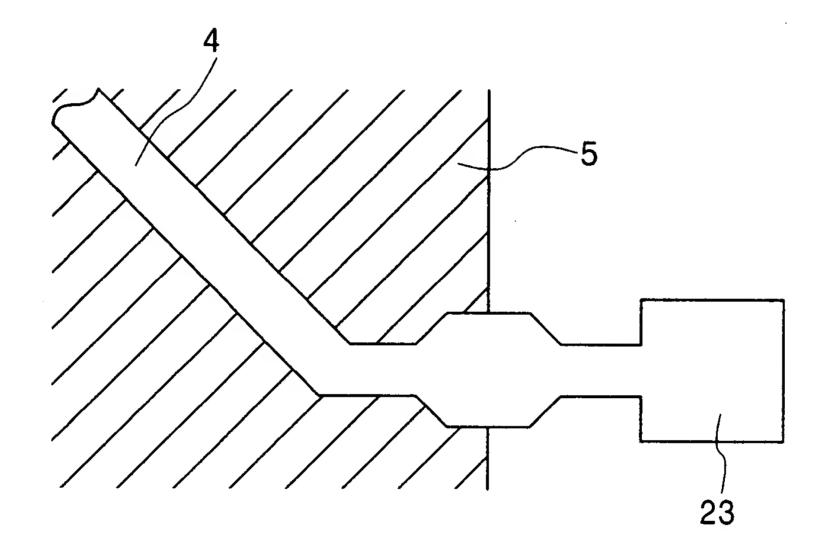


FIG. 16

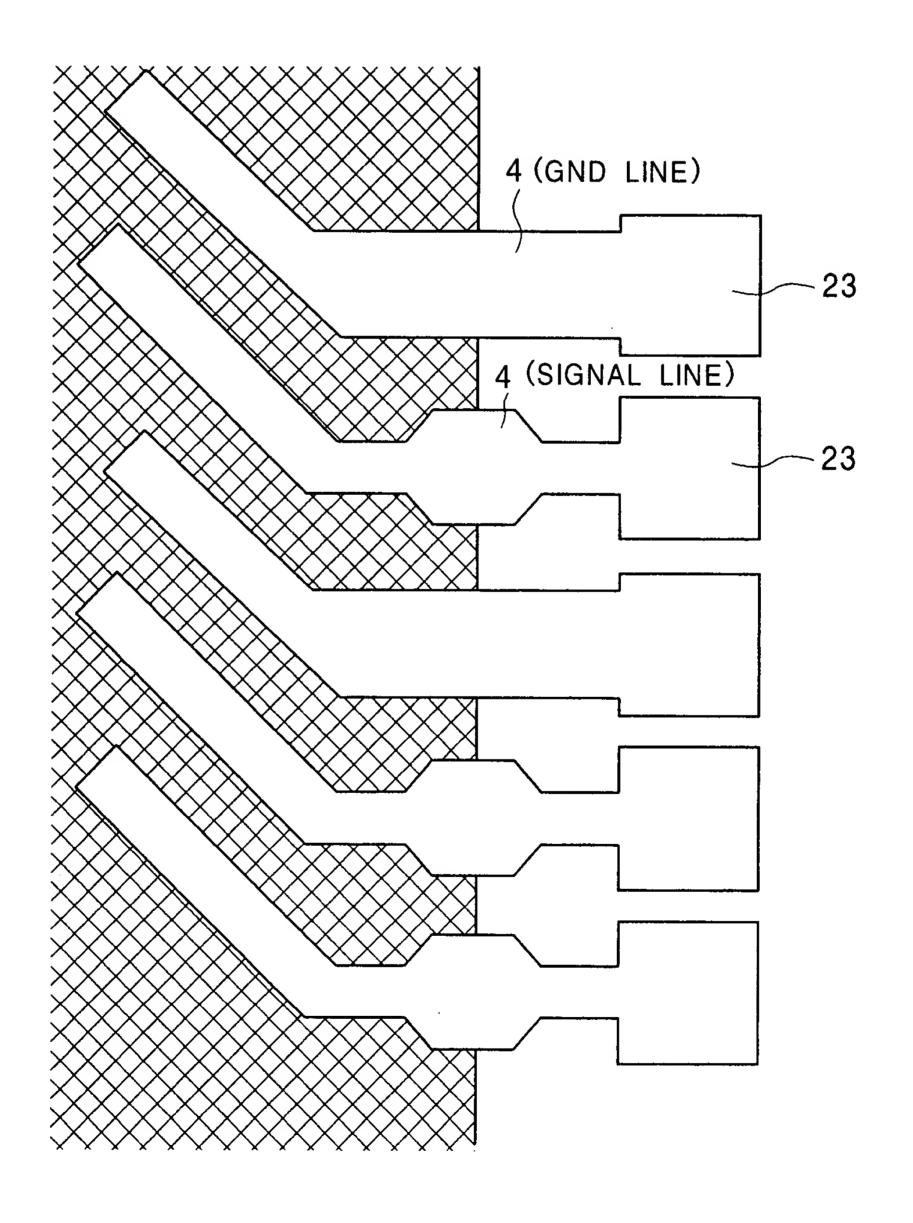


FIG. 17

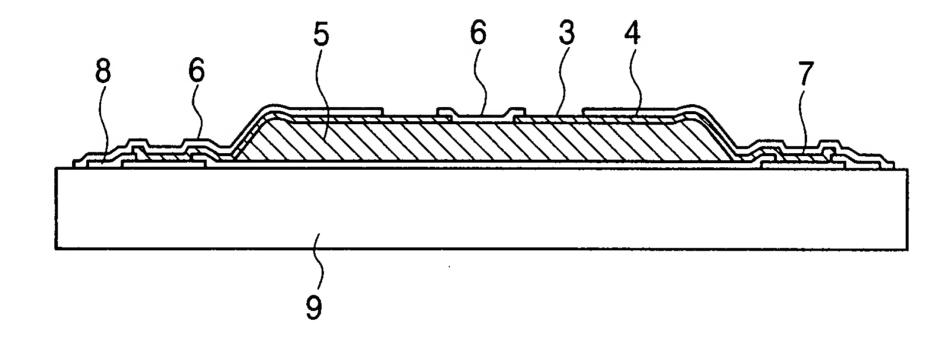


FIG. 18

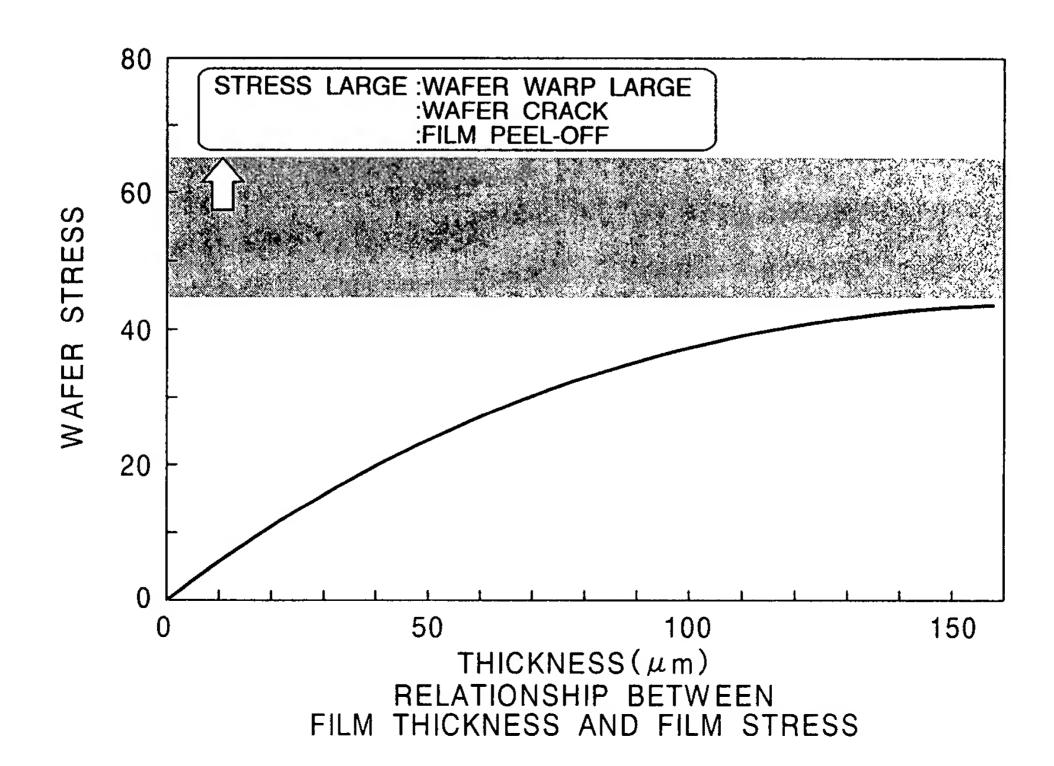


FIG. 19

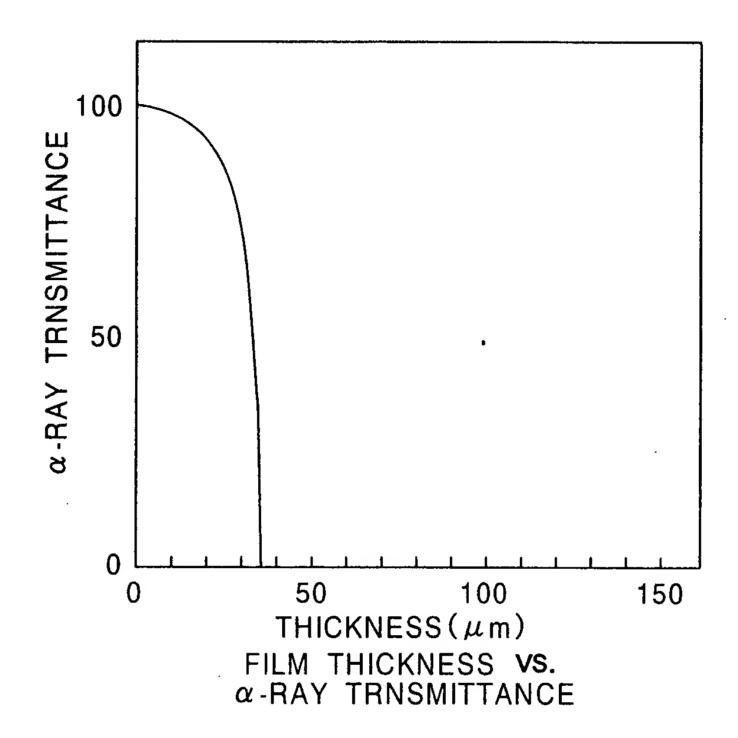
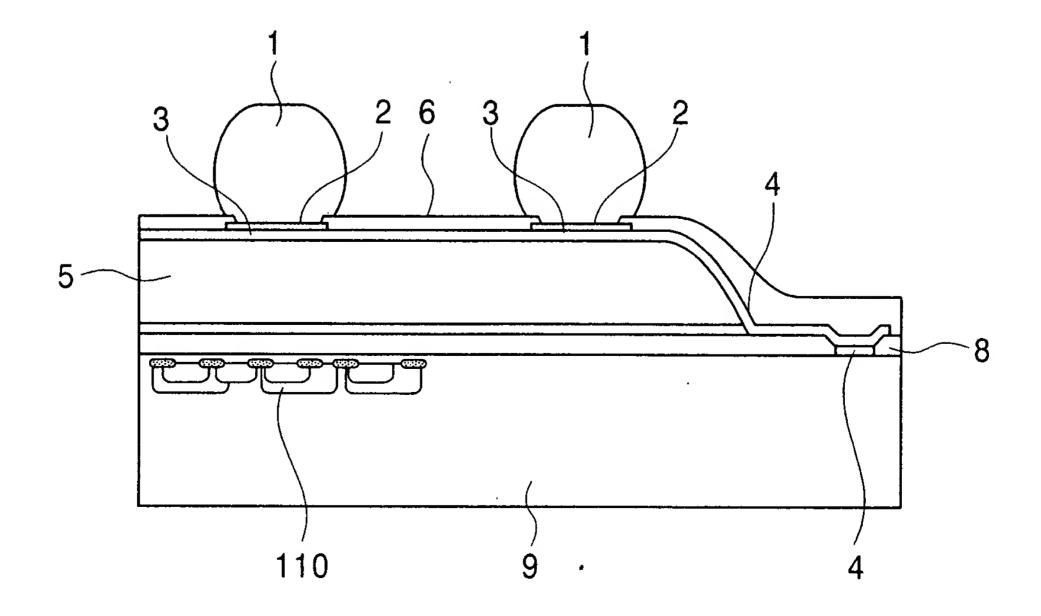


FIG. 20



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FIG. 21

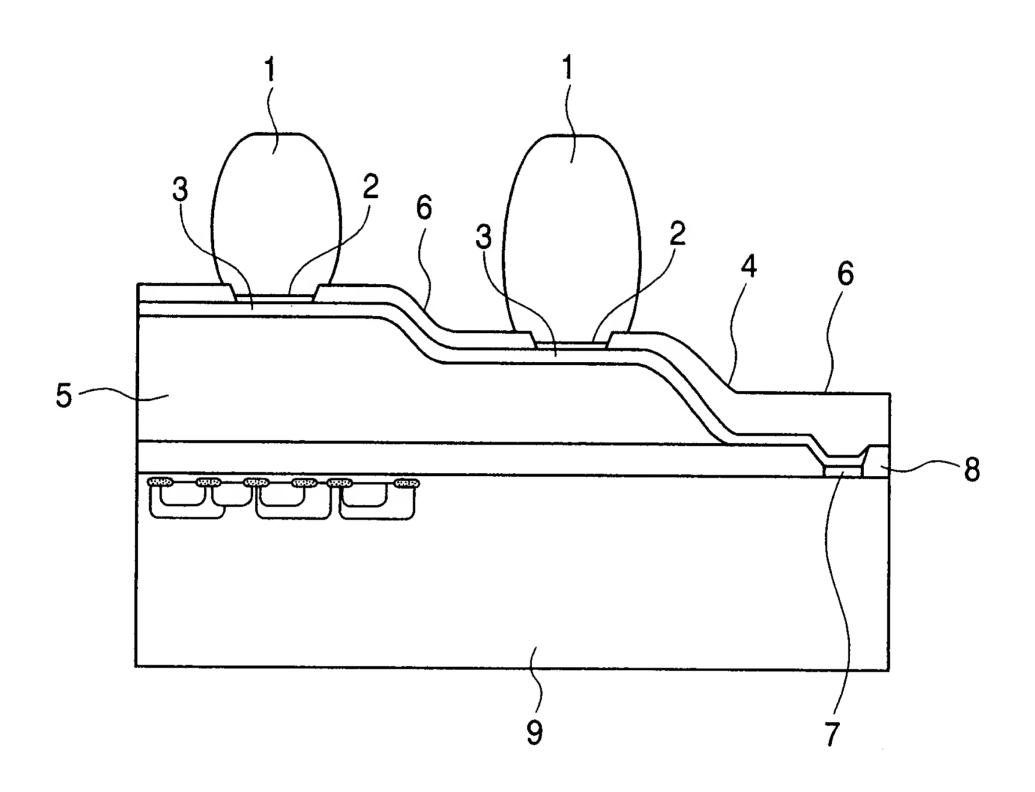
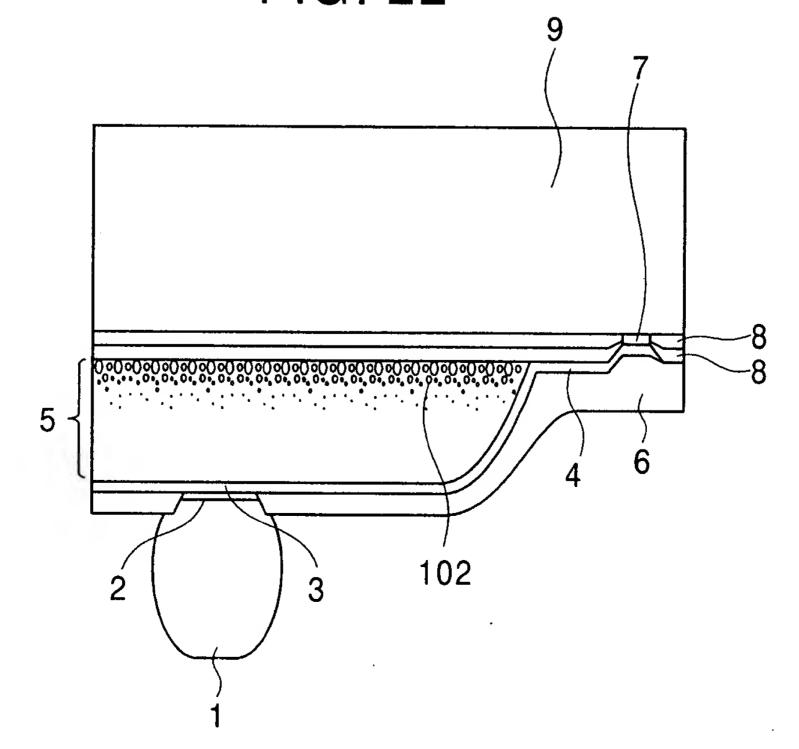


FIG. 22



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FIG. 23

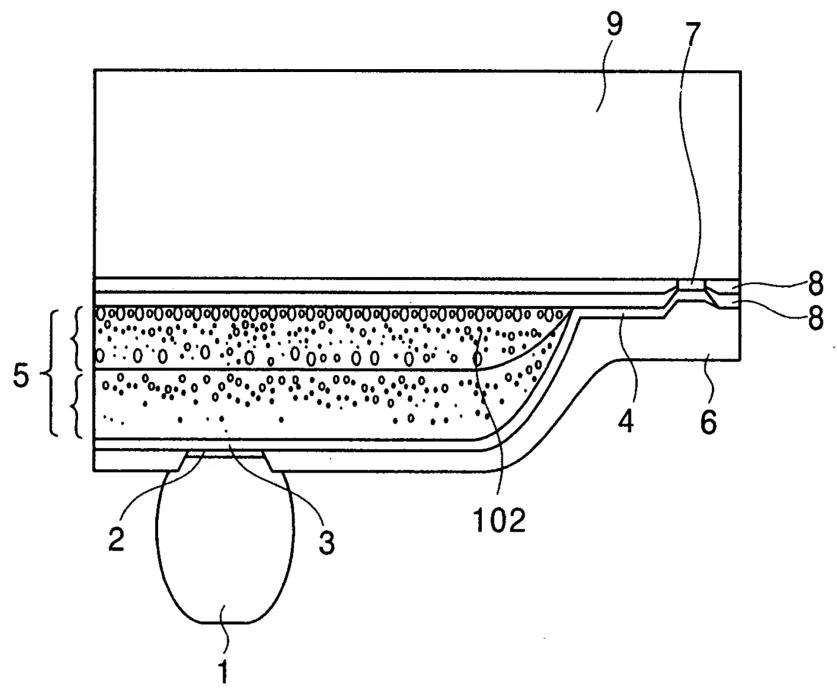


FIG. 24

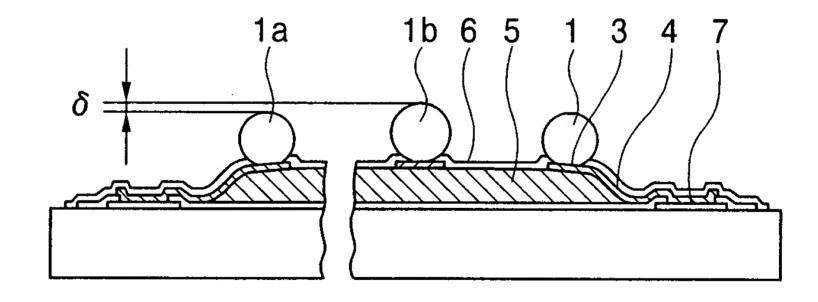


FIG. 25

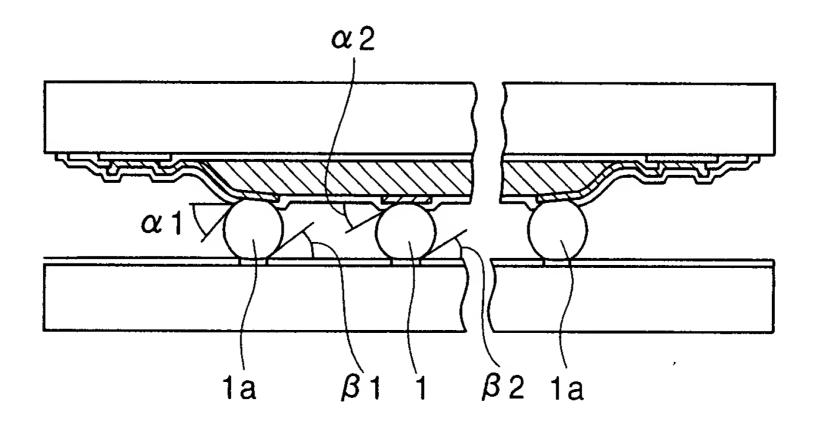


FIG. 26a

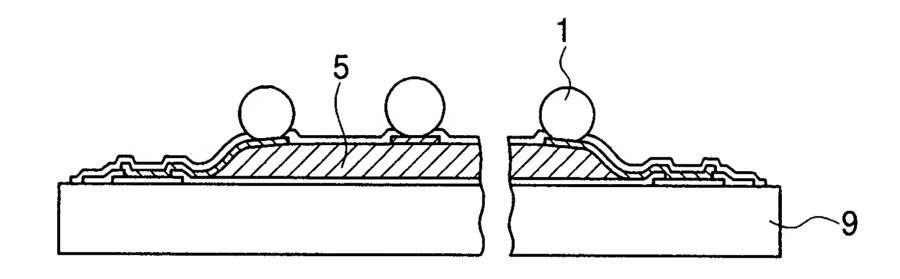
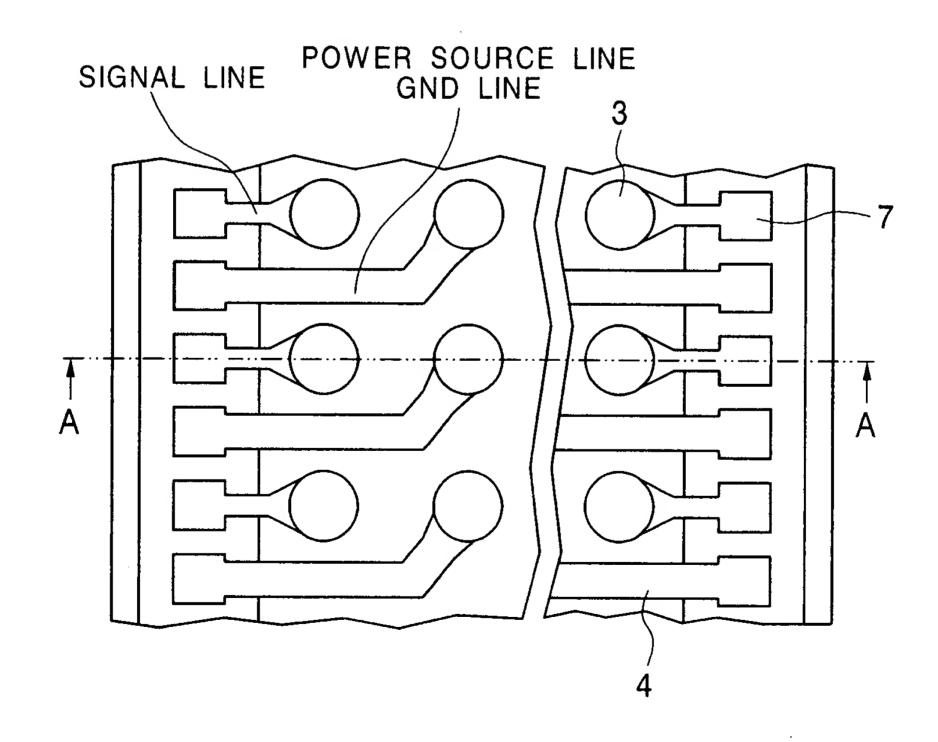


FIG. 26b



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FIG. 27

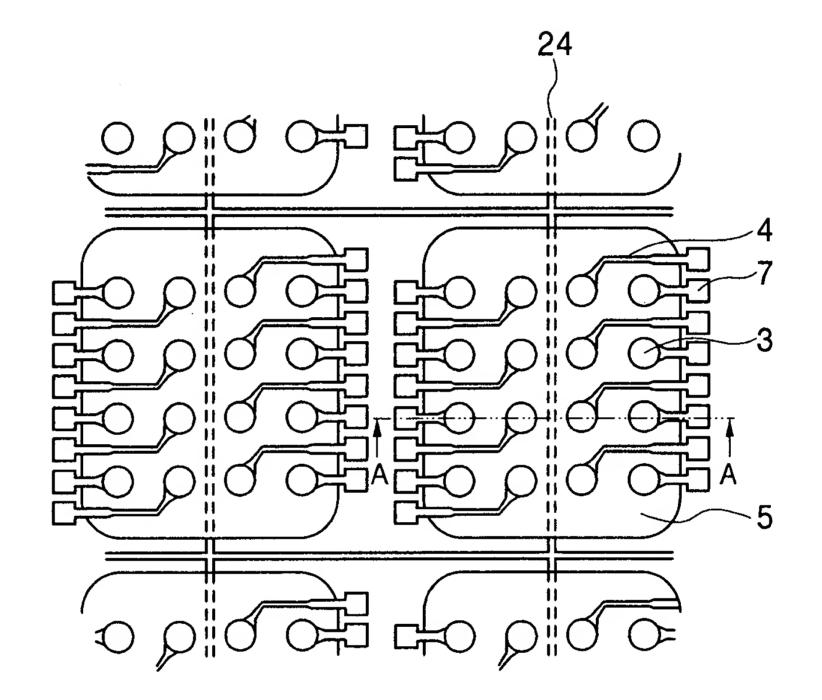


FIG. 28

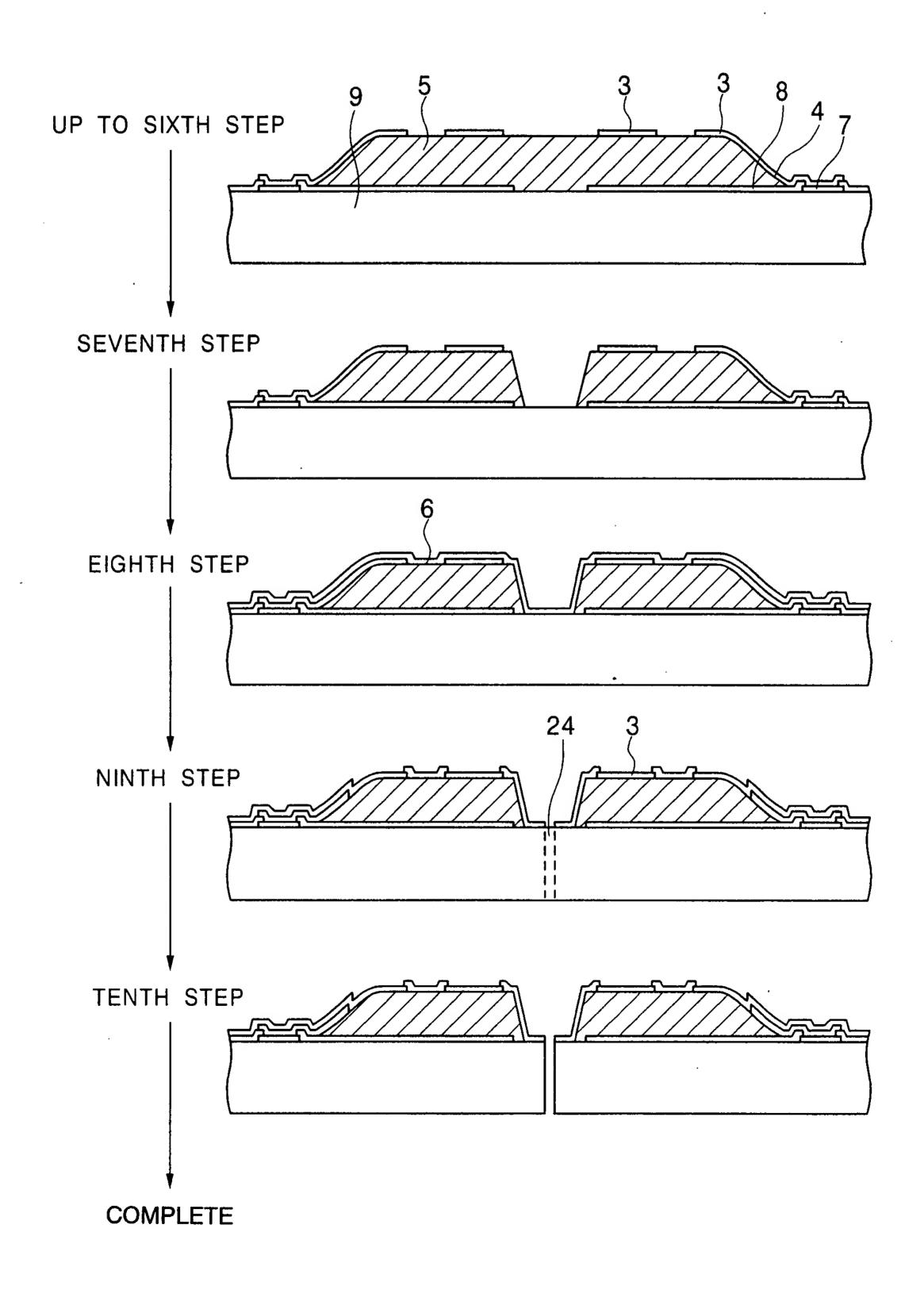


FIG. 29

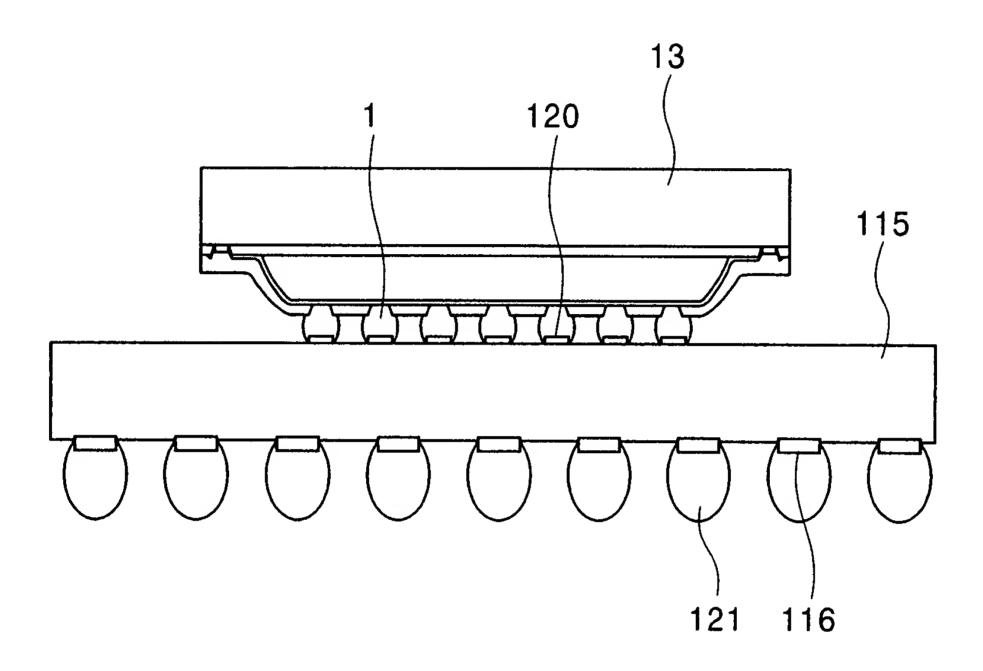


FIG. 30

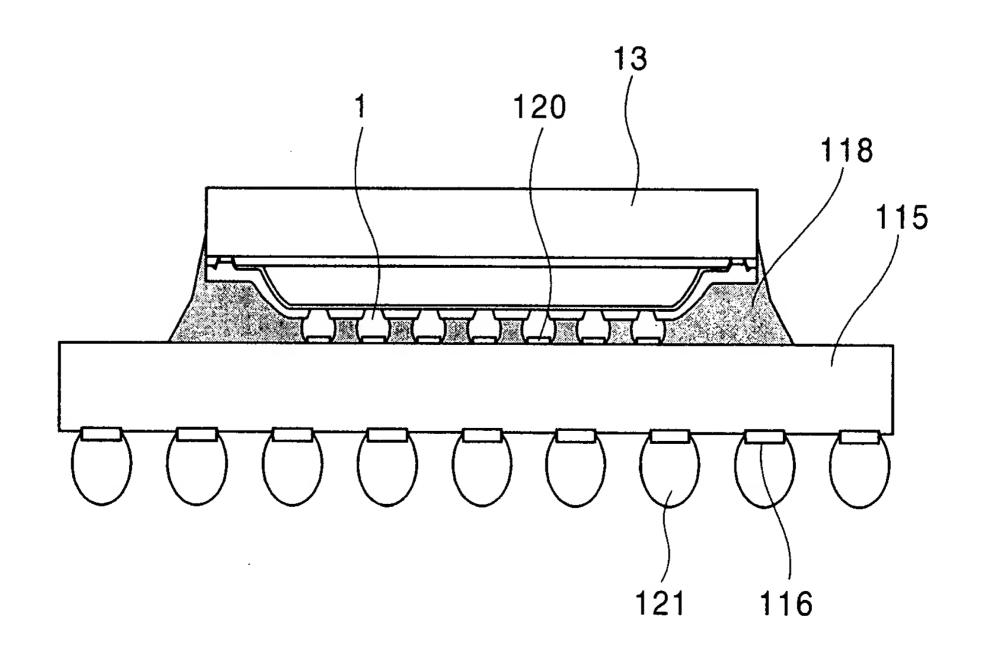


FIG. 31

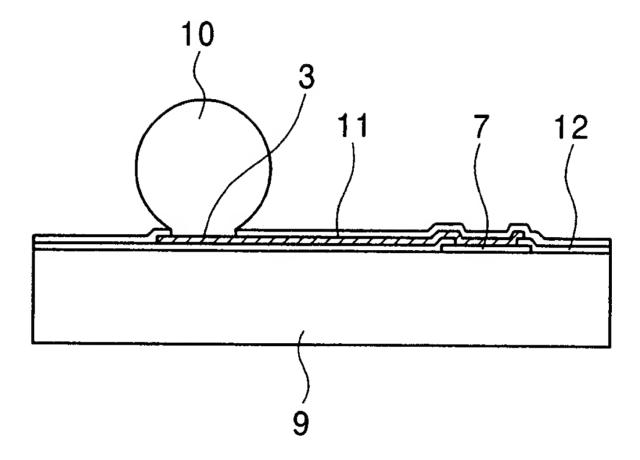


FIG. 32

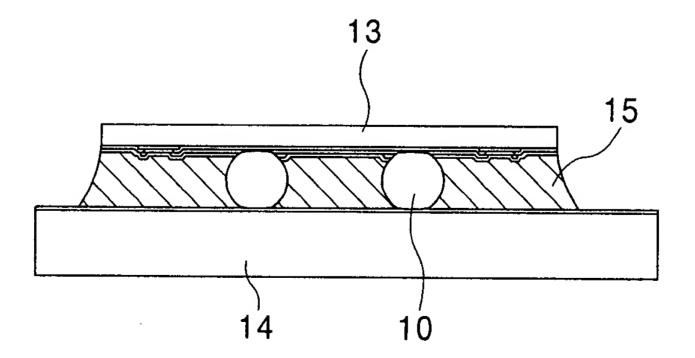


FIG. 33a

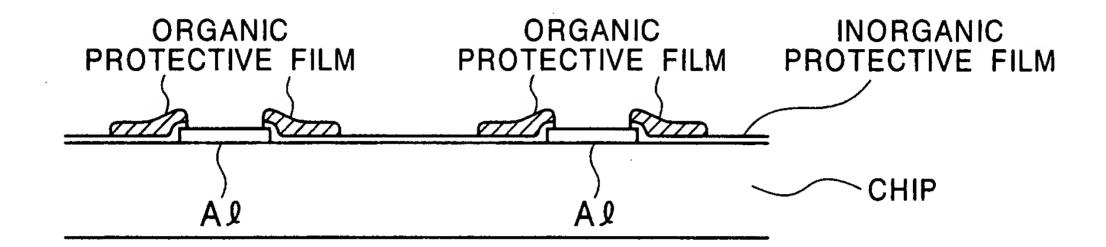


FIG. 33b

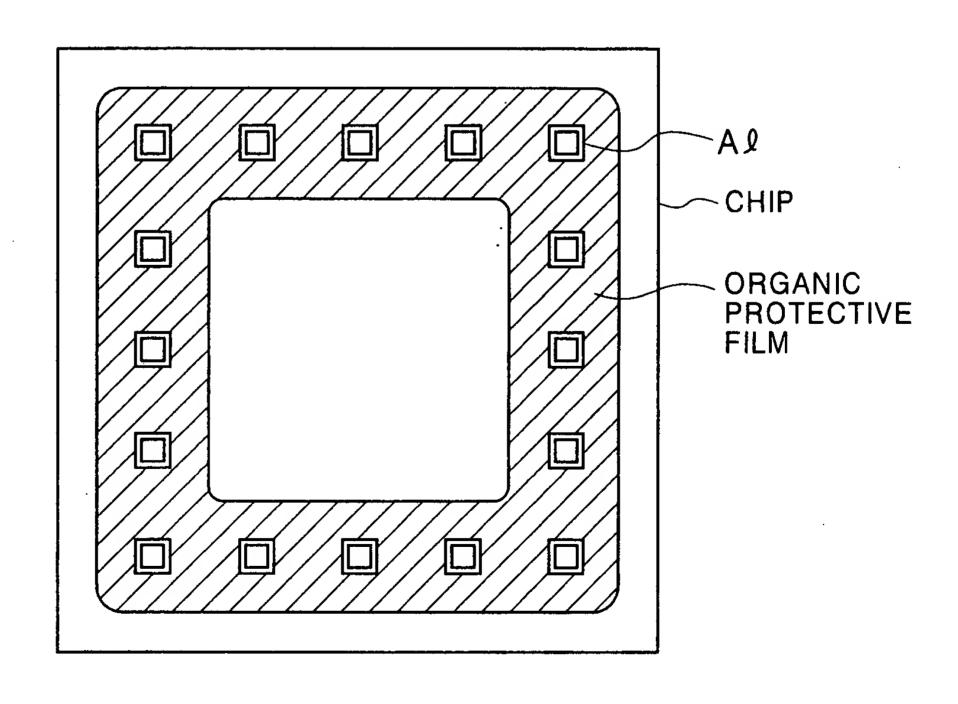


FIG. 34a

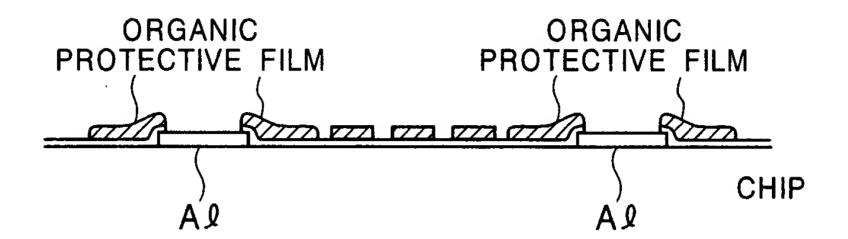


FIG. 34b

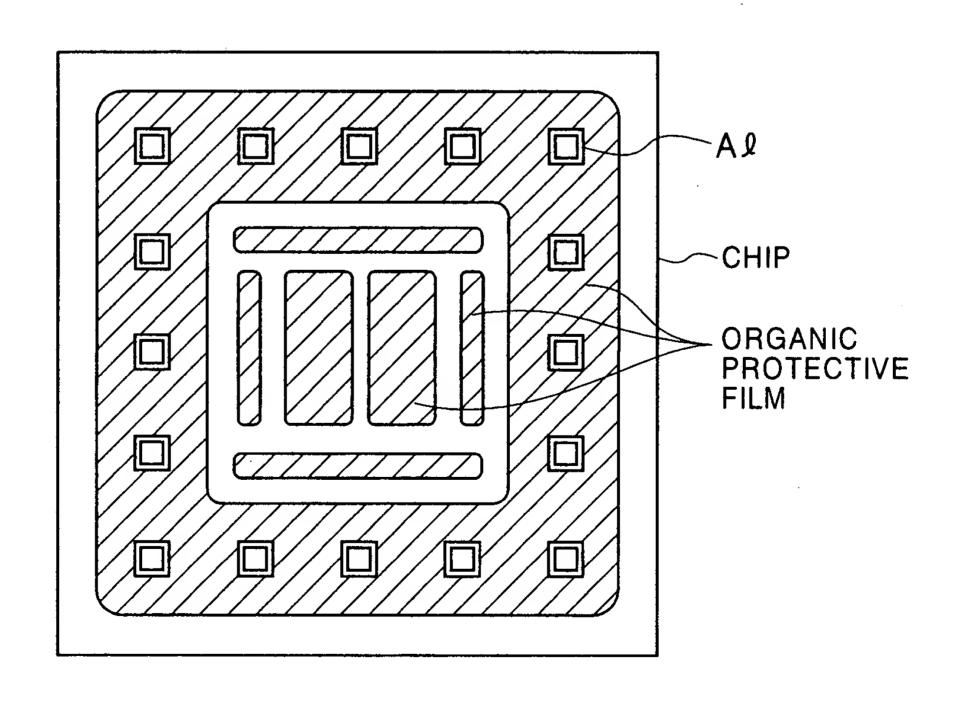


FIG. 35

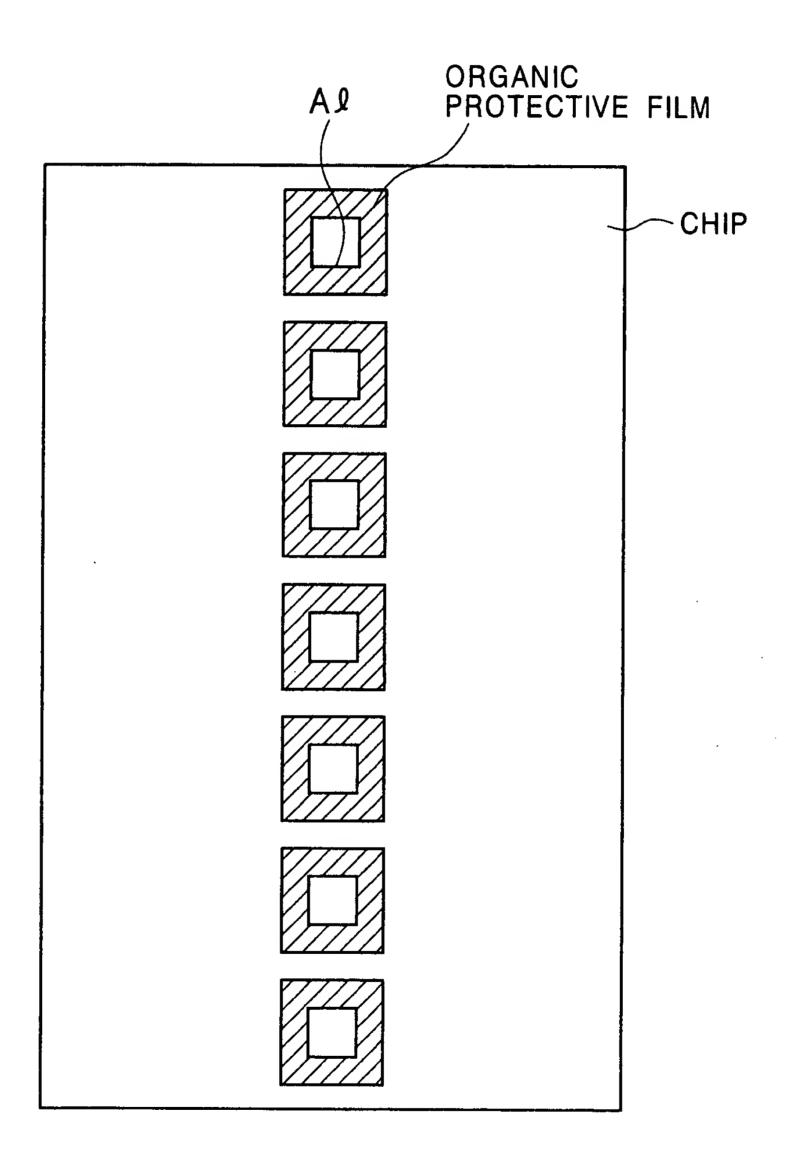


FIG. 36

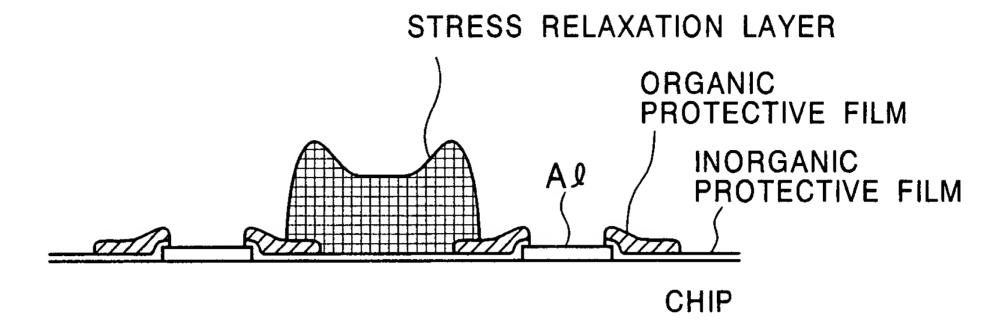


FIG. 37

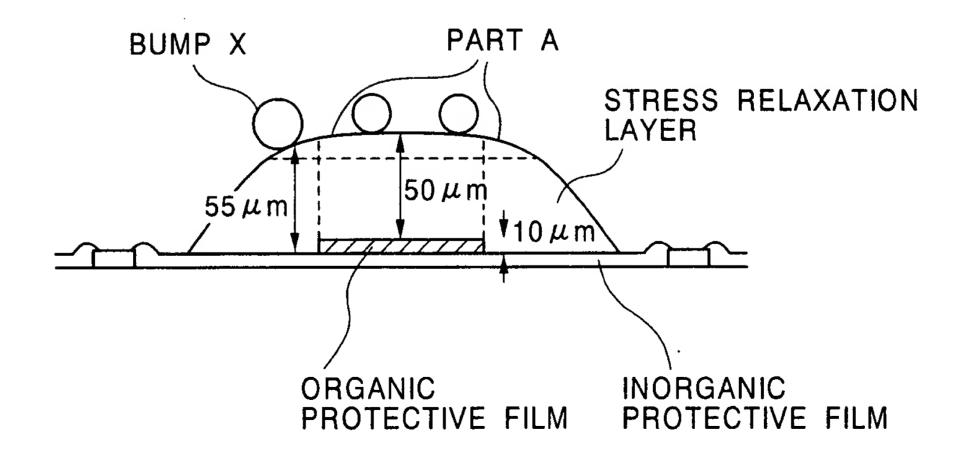


FIG. 38

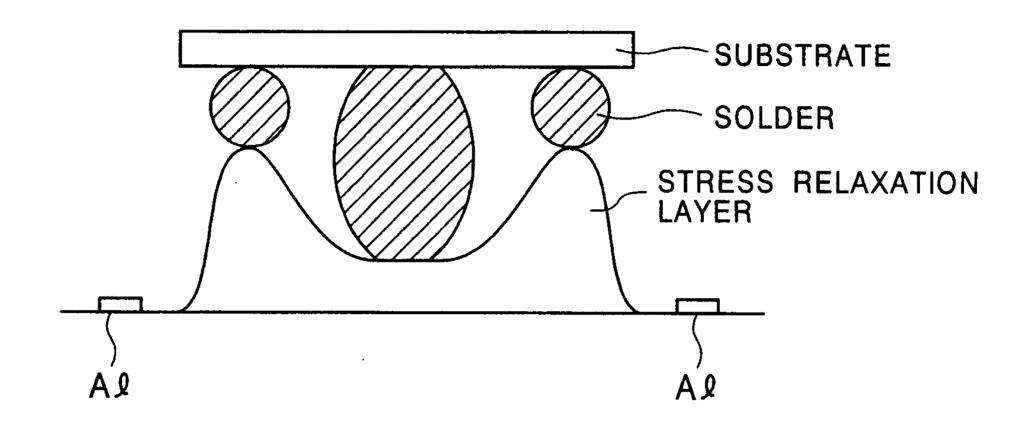


FIG. 39a

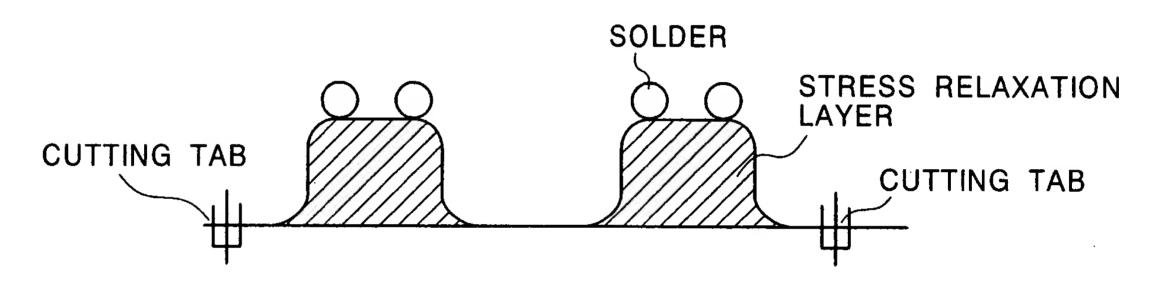


FIG. 39b

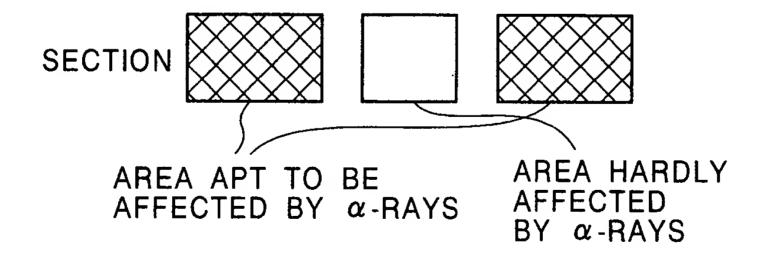


FIG. 39c

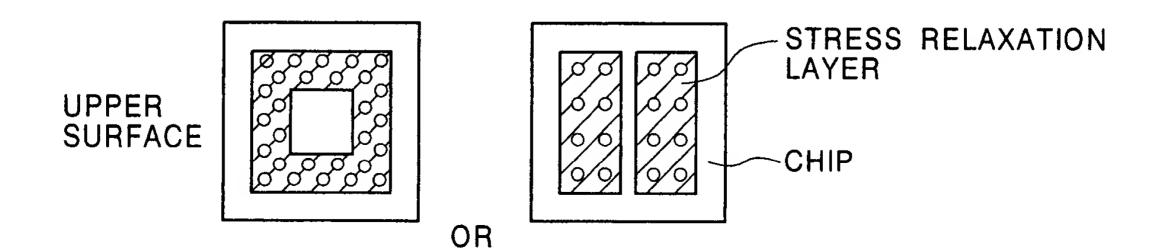


FIG. 40

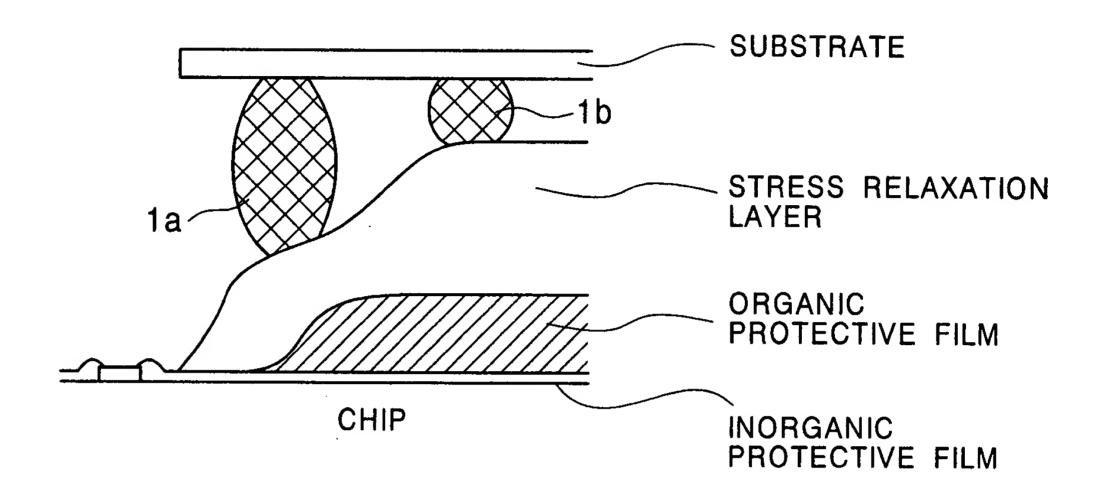
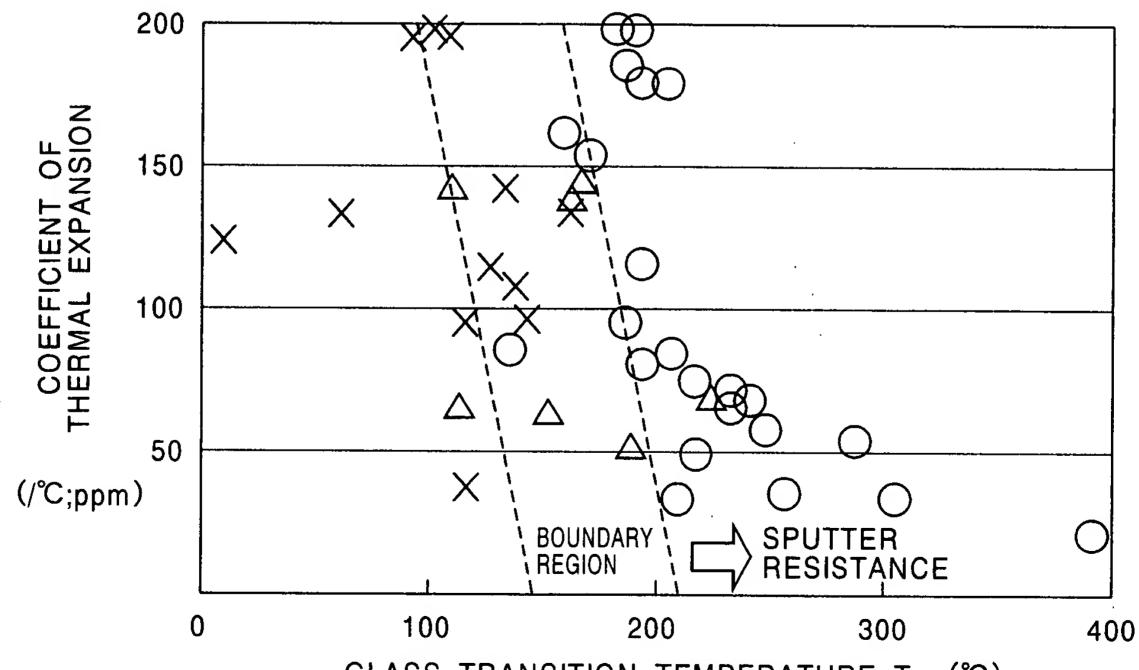


FIG. 41



GLASS TRANSITION TEMPERATURE Tg (℃)

PHYSICAL VALUES AND SPUTTER RESISTANCE OF STRESS RELAXATION LAYER CANDIDATE MATERIAL (X:OCCURRENCE OF CRACKS,△:OCCURRENCE OF WRINKLE, ○:NO ABNORMALITY)